

WHAT IS CLAIMED IS:

1. A registration correction amount calculating apparatus,
comprising:

5 a data storage portion storing a measurement value of registration
accuracy after a process in a first step and a measurement value of
registration accuracy after a process in a second step measured by a
registration inspection apparatus; and

10 an operation portion calculating an amount of correction for said
registration inspection apparatus from the measurement value of
registration accuracy after the process in the first step and the
measurement value of registration accuracy after the process in the second
step stored by said data storage portion.

2. The registration correction amount calculating apparatus
according to claim 1, wherein

5 said operation portion calculates the amount of correction for said
registration inspection apparatus by subtracting the measurement value of
registration accuracy after the process in the second step from the
measurement value of registration accuracy after the process in the first
step.

3. The registration correction amount calculating apparatus
according to claim 1, wherein

5 said operation portion calculates the amount of correction for said
registration inspection apparatus with respect to a current lot from the
measurement value of registration accuracy of a previous lot after the
process in the first step and the measurement value of registration accuracy
of the previous lot after the process in the second step.

4. The registration correction amount calculating apparatus
according to claim 1, wherein

said first step represents a photolithography process, and said

second step represents an etching process.

5. A registration correction amount calculating apparatus, comprising:

5 a data storage portion storing a measurement value of registration accuracy after a process in a first step and a measurement value of registration accuracy after a process in a second step measured by a registration inspection apparatus; and

10 an operation portion calculating an amount of correction for an exposure apparatus from the measurement value of registration accuracy after the process in the first step and the measurement value of registration accuracy after the process in the second step stored by said data storage portion.

6. The registration correction amount calculating apparatus according to claim 5, wherein

5 said operation portion calculates an optimal amount of registration correction by subtracting the measurement value of registration accuracy of a previous lot after the process in the second step from the measurement value of registration accuracy of the previous lot after the process in the first step, and calculates an amount of correction for said exposure apparatus by subtracting said optimal amount of registration correction from the measurement value of registration accuracy of a current lot after the process in the first step.

7. The registration correction amount calculating apparatus according to claim 5, wherein

said first step represents a photolithography process, and said second step represents an etching process.